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## AS 1646-1992 Elastomeric seals for waterworks purposes

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### Abbreviation

AS 1646-1992

### Amendment

AS 1646-1992/Amdt 1-1993 AS 1646-1992/Amdt 2-1993

### Valid from

20/07/1992

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### Information provider

SAI Global

### Author

Standards Australia

### Information type

Australian Standard

### Format

PDF, Hard copy

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### Cited By

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### Description

This standard specifies performance and, where these are not appropriate, prescriptive requirements for seals, used in pipeline systems which convey aqueous liquids with temperatures of less than 50° Celsius. The range of seal hardness is between 36 IRHD and 85 IRHD.

The seals are manufactured from polychloroprene (CR), ethylene-propylene terpolymers (EPDM), polyisoprene rubber (IR), nitrile-butadiene rubber (NBR), natural rubber (NR), and styrene-butadiene rubber (SBR). Acceptance criteria are given for seals with defined imperfections. The appendices include alternative methods for the determination of the rate of compression stress relaxation and seal hardness.

### Scope

The standard also specifies requirements for seals which incorporate root growth inhibitor and which are only intended for the conveyance of sewage or storm water. The standard does not specify the physical dimensions or hardness requirements.

### Notes:

1. Guidelines to purchasers on information to be specified at the time of the enquiry or order are given in appendix A.
2. When seals are intended for use where the likelihood of micro-organism attack is high, special precautions may need to be taken.

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- [AS 2887-1993](#)  
AS 1646-1992 is cited by AS 2887-1993 (R2017) Plastic waste fittings
- [AS/NZS 3500.2:2003](#)  
AS 1646-1992 is cited by AS/NZS 3500.2:2003 Plumbing and drainage - Sanitary plumbing and drainage
- [AS/NZS 3500.4:2003](#)  
AS 1646-1992 is cited by AS/NZS 3500.4:2003 Plumbing and drainage - Part 4: Heated water services

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